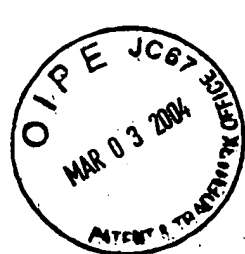


Title: "Normalizing and Classifying Locale-Specific Information"

Inventor(s): GREEN et al.

Docket No.: 50000-00013

Kent A. Fischmann, Esq. (720)562-5501 *Replacement Drawing*



File View Help																											
Apply	Save	Previous	Next																								
<div style="float: right; text-align: right;"> <span style="margin-right: 10px;">102</span> <span>104</span> </div>																											
<p><b>Build Grammar</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Terminating Rules</li> <li><input checked="" type="checkbox"/> [by crx]</li> <li><input type="checkbox"/> . by</li> <li><input type="checkbox"/> . x</li> <li><input type="checkbox"/> . x</li> <li><input type="checkbox"/> [case]</li> <li><input checked="" type="checkbox"/> [crx ol]</li> <li><input type="checkbox"/> . of</li> <li><input type="checkbox"/> [crx_per]</li> <li><input checked="" type="checkbox"/> [decimal]</li> <li><input type="checkbox"/> . V+ \V+ \d+   \d+</li> <li><input type="checkbox"/> [foo]</li> <li><input type="checkbox"/> [fraction]</li> <li><input type="checkbox"/> [hyphen]</li> <li><input type="checkbox"/> [inch]</li> <li><input type="checkbox"/> [integer]</li> <li><input type="checkbox"/> [length_metric]</li> <li><input type="checkbox"/> [pack]</li> <li><input type="checkbox"/> [real_crx]</li> <li><input type="checkbox"/> [shape]</li> <li><input type="checkbox"/> [shape_type]</li> <li><input type="checkbox"/> [unit_item]</li> <li><input checked="" type="checkbox"/> Volume</li> <li><input type="checkbox"/> . l</li> <li><input type="checkbox"/> . ml</li> <li><input type="checkbox"/> . ml&gt;</li> <li><input type="checkbox"/> milliliter</li> <li><input type="checkbox"/> liter</li> <li><input type="checkbox"/> liters</li> <li><input type="checkbox"/> milliliter</li> <li><input type="checkbox"/> milliliters</li> <li><input type="checkbox"/> oz</li> <li><input type="checkbox"/> ounce</li> <li><input type="checkbox"/> ounces</li> </ul>	<p>Rewrite rule for [volume]</p> <p><input type="radio"/> All      <input style="width: 100px;" type="text"/></p> <p><input checked="" type="radio"/> Lookup</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 50%;">Original</th> <th style="width: 50%;">Rewrite As</th> </tr> </thead> <tbody> <tr><td> </td><td>liter</td></tr> <tr><td> </td><td>liter</td></tr> <tr><td>ml</td><td>milliliter</td></tr> <tr><td>ml</td><td>milliliter</td></tr> <tr><td>liter</td><td>liter</td></tr> <tr><td>liters</td><td>liter</td></tr> <tr><td>milliliter</td><td>milliliter</td></tr> <tr><td>milliliters</td><td>milliliter</td></tr> <tr><td>oz</td><td>ounce</td></tr> <tr><td>ounce</td><td>ounce</td></tr> <tr><td>ounces</td><td>ounce</td></tr> </tbody> </table> <div style="text-align: center; margin-top: 10px;"> <input style="width: 100px;" type="button" value="Clear"/> </div>			Original	Rewrite As		liter		liter	ml	milliliter	ml	milliliter	liter	liter	liters	liter	milliliter	milliliter	milliliters	milliliter	oz	ounce	ounce	ounce	ounces	ounce
Original	Rewrite As																										
	liter																										
	liter																										
ml	milliliter																										
ml	milliliter																										
liter	liter																										
liters	liter																										
milliliter	milliliter																										
milliliters	milliliter																										
oz	ounce																										
ounce	ounce																										
ounces	ounce																										

FIG. 1

Norm Rules/Order Tab

SOLX Normalization and Transition

File View Help

Apply Save Previous Next

Build Grammar Norm Rules Norm Test 202 204

Rules

- area size
  - length size by crx length size
  - real by crx length size
  - real by crx real
- container
  - case
  - pack
  - length size
  - length units
  - real
  - shape np
  - size container
    - real crx per container
    - container crx per real
    - container crx of real
    - real unit item crx per container
  - volume size

Drag the nodes in the lower line to change the order.  
 Click the spaces in the lower line to add nodes.  
 Order in Rule for [size\_container] -> container [crx of] real

[size\_container] [container] [crx of] [real]

Rewrite Ordering Joining

FIG.2

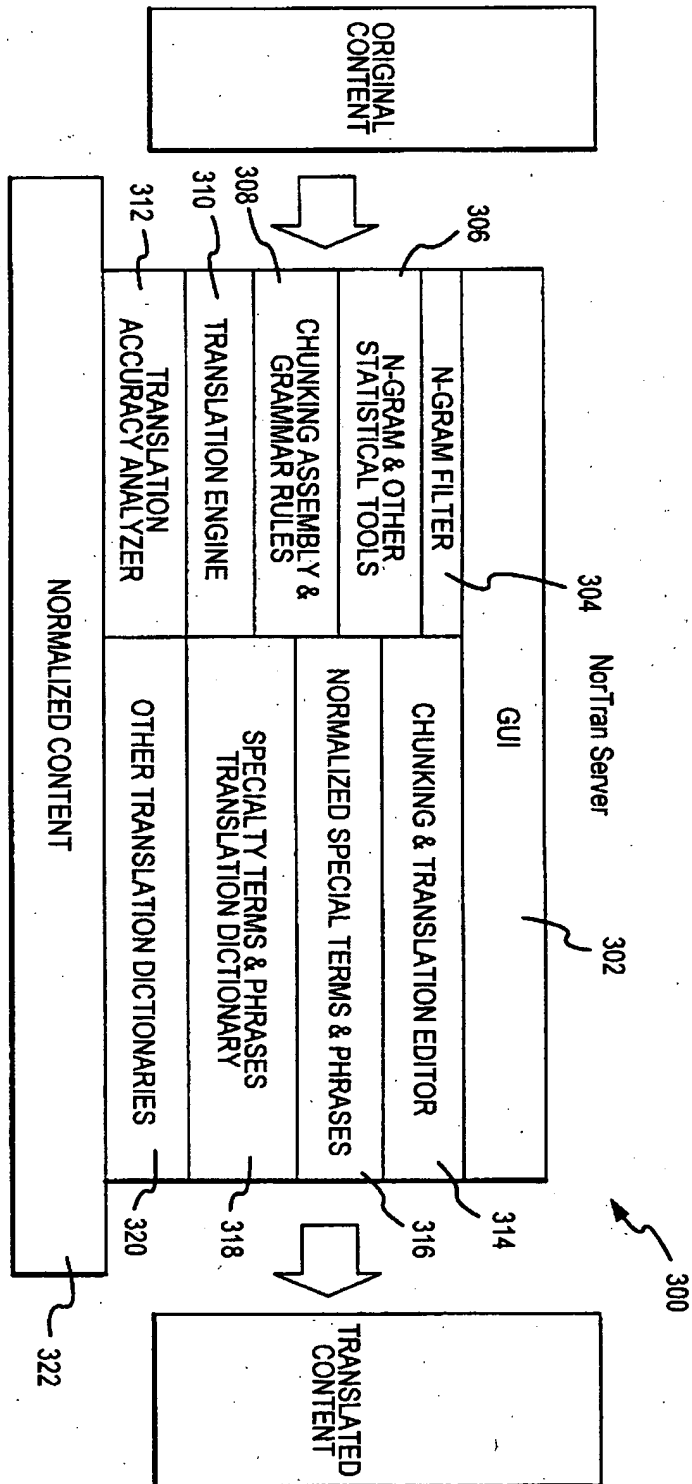


FIG. 3

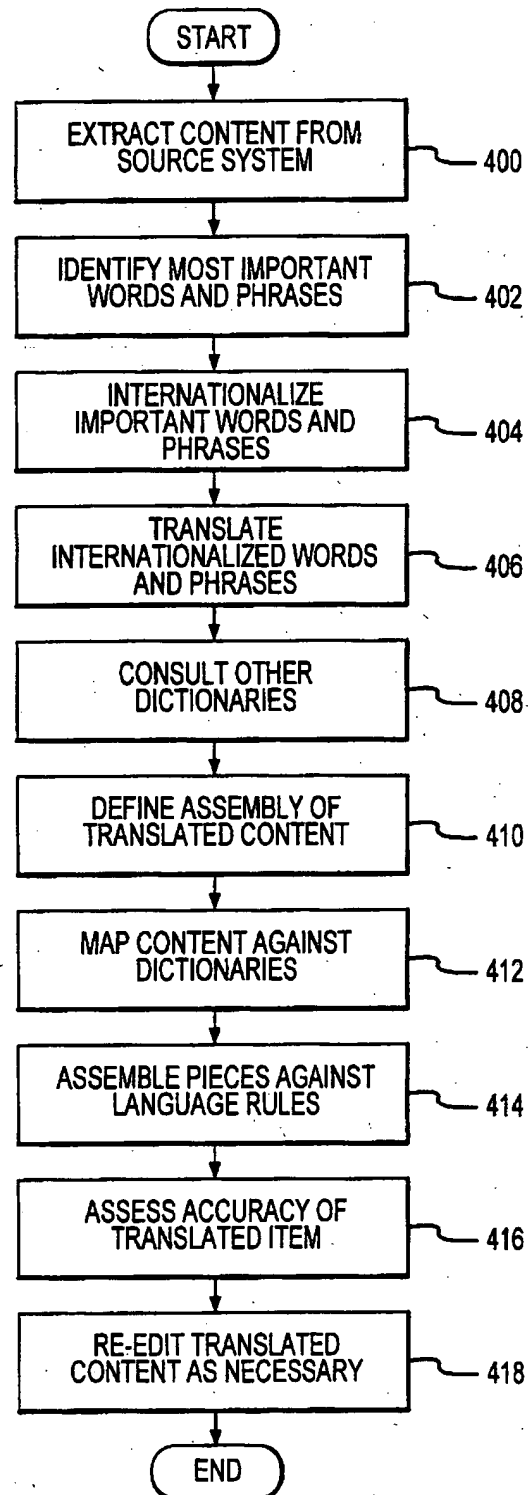


FIG.4

OneRealm SOLX Exerciser

File View Help

Import Content

Import

Normalize Content

Normalize

Phrase Analysis

Analyze

Filter Phrases

Load Phrases

Translate Phrases

Load Dictionary

Translate Content

Translate

Translation Quality Estimation

Translate

Translate

Search Text

Structured Content

RES 249 OHM 100MW 1% 0805

RES 51 OHM 5% 1/16W 0402

RESS 100 OHM 5% 1/16W 0402

RESS 58 OHM 1/16W 5% 0402

RES 200 OHMS 1/16W 5% 0603

RES 330 OHMS 1/16W 5% 0603

RES 5.1 OHMS 1/16W 5% 0603

RES 130 OHMS 1/10W 0805

RES 62 OHMS 1/16W 5% 0603

RES 5.1 OHMS 1/8W 5% 1206

RES 5.1 OHMS 1/16W 5% 0603

RES 237 OHMS 1/4W 1% 1210

RES 100 OHM 1/4W 1% 1210

RES 75 OHM 100MW 5% 0805

RES 680 OHM 100MW 5% 0805

RES 0.00 OHM 100MW 5% 0805

RES 35.7 OHM 100MW 1% 0805

RES NETWORK 100 OHMS

RES 100 OHMS 1/16W 5% 0603

RES 0.05 OHMS 2512

RES 220 OHMS 1/16W 5% 0603

RES 60.4 OHMS 1/4W 1% 1210

RESS FILM 150 OHM 1/4W 5% 120

RESS FILM 0 OHM 1/4W 5% 1206

Normalized Content

resistor 249 ohm 100 milliwatt 1% 0805

resistor 51 ohm 5% 1/16 watt 0402

resistor 10 ohm 5% 1/16 watt 0402

resistor 58 ohm 1/16 watt 5% 0402

resistor 200 ohm 1/16 watt 5% 0603

resistor 330 ohm 1/16 watt 5% 0603

resistor 5.1 ohm 1/16 watt 5% 0603

resistor 130 ohm 1/10 watt 0805

resistor 62 ohm 1/16 watt 5% 0603

resistor 5.1 ohm 1/8 watt 5% 1206

resistor 5.1 ohm 1/16 watt 5% 0603

resistor 237 ohm 1/4 watt 1% 1210

resistor 100 ohm 1/4 watt 1% 1210

resistor 75 ohm 100 milliwatt 5% 0805

resistor 680 ohm 100 milliwatt 5% 0805

resistor 0.0 ohm 100 milliwatt 5% 0805

resistor 35.7 ohm 100 milliwatt 1% 0805

resistor network 100 ohm

resistor 100 ohm 1/16 watt 5% 0603

resistor 0.05 ohm 2512

resistor 220 ohm 1/16 watt 5% 0603

resistor 60.4 ohm 1/4 watt 1% 1210

resistor film 150 ohm 1/4 watt 5% 120

resistor film 0 ohm 1/4 watt 5% 1206

Source Language

English

Target Language

Spanish

Current Process

Working File

Record Count

Normalize Content

C:\OneRealm\SOLX\Odata\SoldDemolInputDataContent...

100

FIG.5

OneRealm SOLX Exerciser

File View Help

Old\data\SoldDermolpud\data\Content\des

Import

...

Normalized Content

Import

...

Normalize

...

Phrase Analysis

...

Analyze

...

Filter Phrases

...

Load Phrases

...

Translate Phrases

...

Load Dictionary

...

Translate Content

...

Translate

...

Transition Quality Estimation

...

Triage

...

Train

...

Search Text

...

Search

...

Cancel

...

OneRealm SOLX Exerciser

Structured Content

Normalized Content

RES 249 OHM 100MW 1% 0805	resistor 249 ohm 100 milliwatt 1% 0805
RES 51 OHM 5% 1/16W 0402	resistor 51 ohm 5% 1/16 watt 0402
RES 100 OHM 5% 1/16W 0402	resistor 10 ohm 5% 1/16 watt 0402
RES 56 OHM 1/16W 5% 0402	resistor 56 ohm 1/16 watt 5% 0402
RES 200 OHM 1/16W 5% 0603	resistor 200 ohm 1/16 watt 5% 0603
RES 330 OHM 1/16W 5% 0603	resistor 330 ohm 1/16 watt 5% 0603
RES 5.1 OHM 1/16W 5% 0603	resistor 5.1 ohm 1/16 watt 5% 0603
RES 130 OHM 1/10W 0805	resistor 130 ohm 1/10 watt 0805
RES 62 OHM 1/16W 5% 0603	resistor 62 ohm 1/16 watt 5% 0603
RES 5.1 OHM 1/8W 5% 1206	resistor 5.1 ohm 1/8 watt 5% 1206
RES 5.1 OHM 1/16W 5% 0603	resistor 5.1 ohm 1/16 watt 5% 0603
RES 237 OHM 1/4W 1% 1210	resistor 237 ohm 1/4 watt 1% 1210
RES 100 OHM 1/4W 1% 1210	resistor 100 ohm 1/4 watt 1% 1210
RES 75 OHM 100MW 5% 0805	resistor 75 ohm 100 milliwatt 5% 0805
RES 680 OHM 100MW 5% 0805	resistor 680 ohm 100 milliwatt 5% 0805
RES 0.0 OHM 100MW 1% 0805	resistor 0.0 ohm 100 milliwatt 1% 0805
RES 35.7 OHM 100MW 1% 0805	resistor 35.7 ohm 100 milliwatt 1% 0805
RES NETWORK 100 OHM	resistor network 100 ohm
RES 100 OHM 1/16W 5% 0603	resistor 100 ohm 1/16 watt 5% 0603
RES 0.05 OHM 2512	resistor 0.05 ohm 2512
RES 220 OHM 1/16W 5% 0603	resistor 220 ohm 1/16 watt 5% 0603
RES 60.4 OHM 1/4W 1% 1210	resistor 60.4 ohm 1/4 watt 1% 1210
RES FILM 150 OHM 1/4W 5% 120	resistor film 150 ohm 1/4 watt 5% 120
RES FILM 0 OHM 1/4W 5% 1206	resistor film 0 ohm 1/4 watt 5% 1206

Source Language

English

Target Language

Spanish

Current Process

Working File

Record Count

100

Normalize Content

C:\OneRealm\SOLX\Old\data\SoldDermolpud\data\Content\des

FIG.6

OneRealm SOLX Exerciser

File View Help

OneRealm SOLX Exerciser

Import Content  
data\SolxDemoInputDataContent.des ...  
Import  
Normalize Content  
Normalize  
Phrase Analysis  
data\SolxDemoResultContent.des.rnm ...  
Analyze  
Filter Phrases  
Load Phrases  
Translate Phrases  
Load Dictionary  
Translate Content  
Translate  
Translation Quality Estimation  
Triage  
Train  
Search Text  
Search Cancel

Chunk	Occurrence
number	327
number pin [number]	22
resistor thick [number]	20
[number] watt axi	4
[number] pin	2
fuse [number] [number]	2
fuse [number] ohm [number]	2
meto [number] ohm [number]	2
+	1
ac	1
bit	1
crimped [number] ohm	1
dc	1
indp bead emi	1
misc	1
misc assy crimped	1
port bus switch	1
pwr metal strip	1
s	1
th	1
thickfilm	1

Source Language  
English  
Target Language  
Spanish

Current Process  
Working File  
Report Count

Phrase Analysis  
C:\OneRealm\SOLX1\Output\SolxDemoResultContent.des.rnm  
21

FIG.7

OneRealm SOLX Exerciser

File View Help

OneRealm SOLX Exerciser

Import Content

data\SolxDemo\inputData\Content des ...

Import

Normalize Content

Normalize

Phrase Analysis

data\SolxDemo\results\Content des nm ...

Analyze

Filter Phrases

SolxDemo\inputContent des nm.rpt.frg ...

Load Phrases

Save

Translate Phrases

data\SolxDemo\inputContent des nm.rpt.frg ...

Load Dictionary

Save

Translate Content

Translate

Save

Translation Quantity Estimation

Train

Sample

Estimate

Search Text

Search

Cancel

Part of Speech	Source	Target
Expression	number	
Expression	number pin	number
Expression	resistor thick	number
Expression	/number wait ax	
Expression	number pin	
Expression	fuse number	number
Expression	fuse number ohm	number
Expression	meic number ohm	number
Expression	+	
Expression	ac	
Expression	bit	
Expression	crimped	number ohm
Expression	dc	
Expression	indp bead emi	
Expression	misc	
Expression	misc assy crimped	
Expression	port bus switch	
Expression	pwr metal strp	
Expression	s	
Expression	th	
Expression	thickfilm	

Source Language

English

Target Language

Spanish

Current Process

Working File

Record Count

21

Translate Phrases

C:\OneRealm\SOLX\data\SolxDemo\inputContent des

FIG.8



OneReam SOLX Exerciser

File View Help

Rein A. Fischmann, Esq. (120)SOL2-SS01 replacement Drawing

Import Content

OldData\SolxDemo\pnlData\Content des ...

Import ...

Normalize Content

Normalize ...

Phrase Analysis

delData\SolxDemo\result\content des .nm ...

Analyze ...

Filter Phrases

SolxDemo\pnlContent des .nm.rpt.rpt ...

Load Phrases Save

Translate Phrases

delData\SolxDemo\pnlContent des .nm.rpt.rpt ...

Load Dictionary Save

Translate Content

OLX1\OldData\SolxDemo\pnlContent.mtr ...

Translate Save

Translate Quantity Estimation

... ...

Image Sample

Train Estimate

Search Text Cancel

OneReam SOLX Exerciser

Source	Translated
249 ohm, 100 milliwatt, 1% 0805	249 ohmios, 100 millivatios, 1% 0805
51 ohm, 5%, 1/16 watt, 0402	51 ohmios, 5%es, 1/16 vatios, 0402
10 ohm, 5%, 1/16 watt, 0402	10 ohmios, 5%es, 1/16 vatios, 0402
56 ohm, 1/16 watt, 5%, 0402	56 ohmios, 1/16 vatios, 5%es, 0402
200 ohm, 1/16 watt, 5%, 0603	200 ohmios, 1/16 vatios, 5%es, 0603
330 ohm, 1/16 watt, 5%, 0603	330 ohmios, 1/16 vatios, 5%es, 0603
5.1 ohm, 1/16 watt, 5%, 0603	5.1 ohmio, 1/16 vatios, 5%es, 0603
130 ohm, 1/10 watt, 0805	130 ohmios, 1/10 vatios, 0805
62 ohm, 1/16 watt, 5%, 0603	62 ohmios, 1/16 vatios, 5%es, 0603
5.1 ohm, 1/8 watt, 5%, 1206	5.1 ohmio, 1/8 vatios, 5%es, 1206
5.1 ohm, 1/16 watt, 5%, 0603	5.1 ohmio, 1/16 vatios, 5%es, 0603
237 ohm, 1/4 watt, 1%, 1210	237 ohmios, 1/4 vatios, 1% 1210
100 ohm, 1/4 watt, 1%, 1210	100 ohmios, 1/4 vatios, 1% 1210
75 ohm, 100 milliwatt, 5%, 0805	75 ohmios, 100 millivatios, 5%es, 0805
680 ohm, 100 milliwatt, 5%, 0805	680 ohmios, 100 millivatios, 5%es, 0805
0.0 ohm, 100 milliwatt, 5%, 0805	0.0 ohmios, 100 millivatios, 5%es, 0805
35.7 ohm, 100 milliwatt, 1%, 0805	35.7 ohmios, 100 millivatios, 1%, 0805
resistor network, 100 ohm	red del resistor, 100 ohmios
100 ohm, 1/16 watt, 5%, 0603	100 ohmios, 1/16 vatios, 5%es, 0603
0.05 ohm, 2512	0.05 ohmios, 2512
220 ohm, 1/16 watt, 5%, 0603	220 ohmios, 1/16 vatios, 5%es, 0603
60.4 ohm, 1/4 watt, 1%, 1210	60.4 ohmios, 1/4 vatios, 1%, 1210
film, 150 ohm, 1/4 watt, 5%, 1210	pelicula, 150 ohmios, 1/4 vatios, 1%es, 120
film, 0 ohm, 1/4 watt, 5%, 1206	pelicula, 0 ohmios, 1/4 vatios, 5%es, 1206

Source Language English ▼

Target Language Spanish ▼

Current Process Translate Content

Working File C:\OneReam\SOLX1\OldData\SolxDemo\pnlContent.mtr

Record Count 100

**Fig. 9**

OneRealm SOLX Exerciser

File View Help

OneRealm SOLX Exerciser

Import Content

...

OdetaSolxDemoInputDataContent des

Import

Normalize Content

...

Normalize

Phrase Analysis

...

Analyze

Filter Phrases

...

Load Phrases

Translate Phrases

...

Load Dictionary

Translate Content

...

Translate

Translation Quantity Estimation

...

Train

Search Text

Search

Cancel

Source Text

Target Text

Quality

resistor 0.05 ohm 2512	resistor 0.05 ohms 2512	GOOD
resistor 60.4 ohm 1/4 watt 1...	resistor 60.4 ohms 1/4 watt...	GOOD
10 bit 2 post bus switch w/25 ohm	10 interruptor portuario de autob...	GOOD
resistor 4.7 ohm 5% 1/1 watt...	resistor 4.7 ohms 5% 1/1...	GOOD
resistor 16.5 ohm 1% 1/4 wa...	resistor 16.5 ohms 1% 1/...	GOOD
resistor 3.9 5% 1/4 watt...	resistor 3.9 ohms 5% 1/4...	GOOD

Source Language

English

Current Process

Quality Estimate

Target Language

Spanish

Working File

C:\OneRealm\SOLX1\OdetaSolxDemoInputDataContent des.tpe

Record Count

6

FIG.10

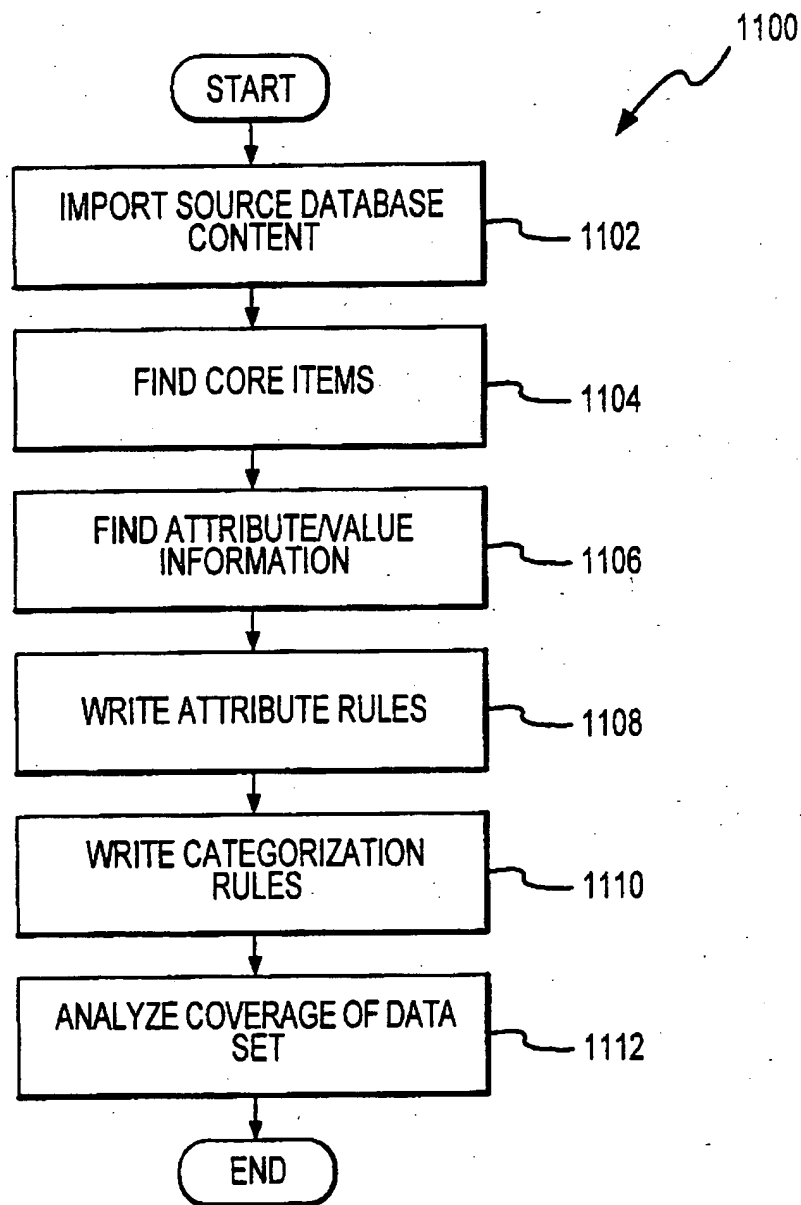


FIG.11

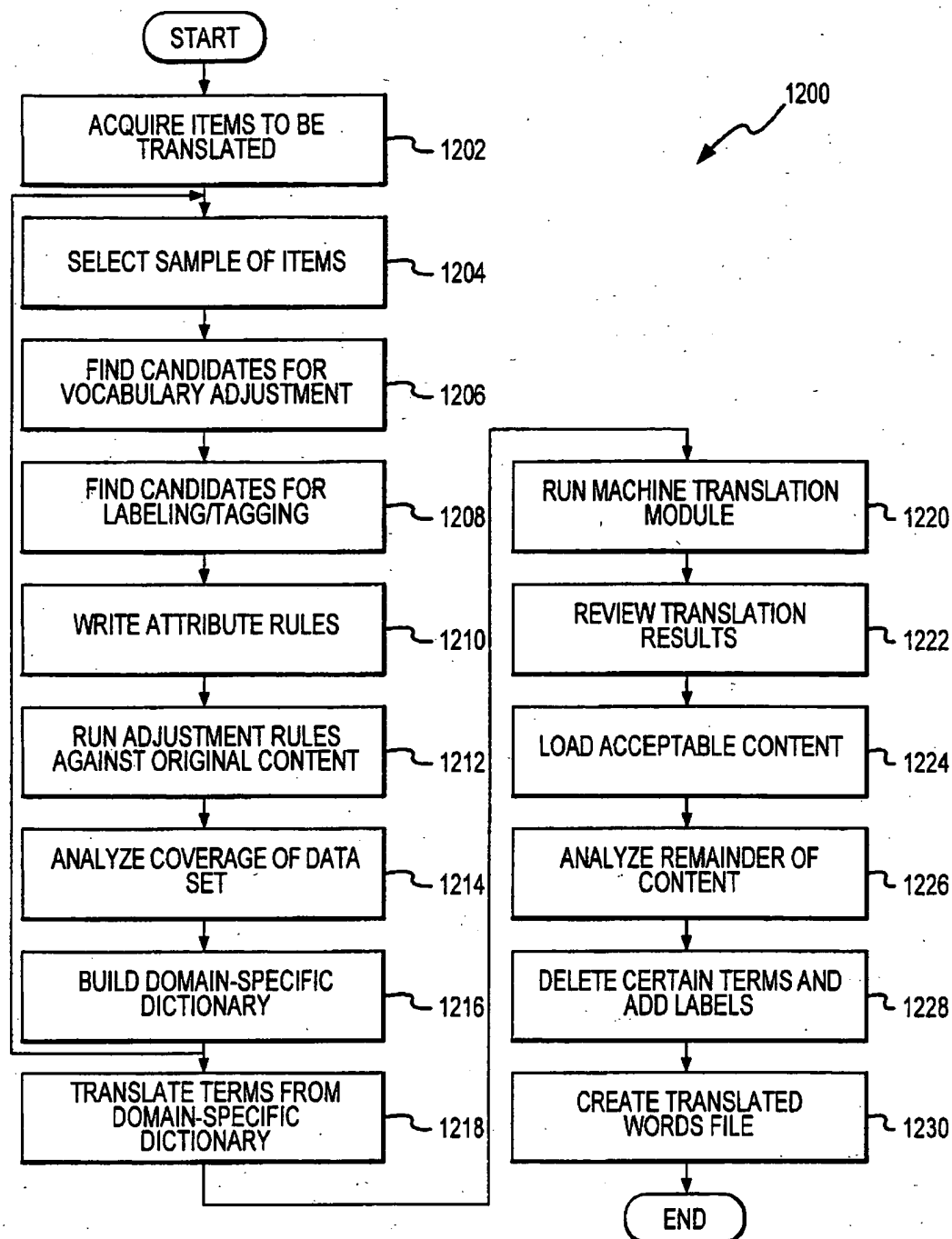
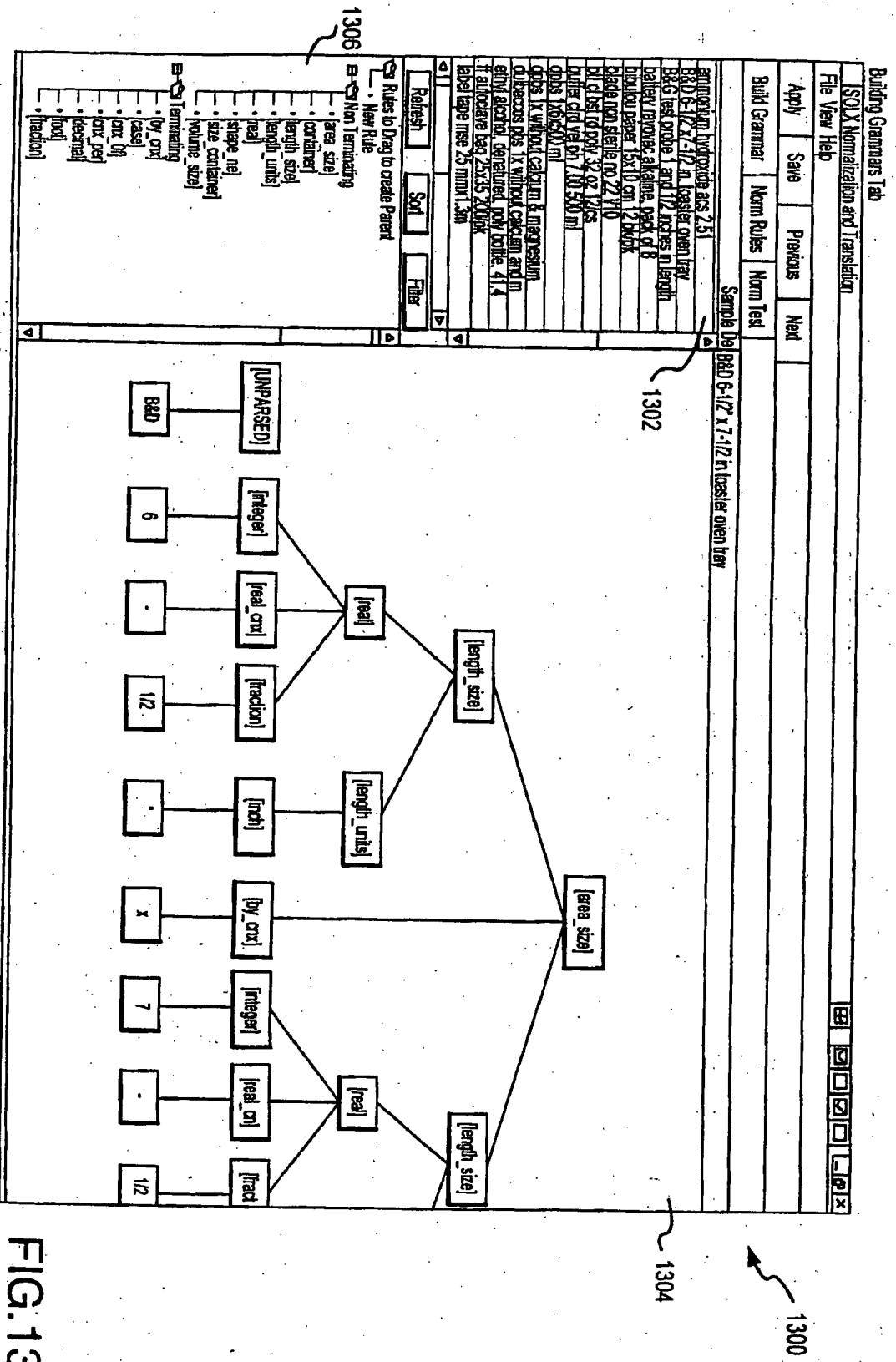
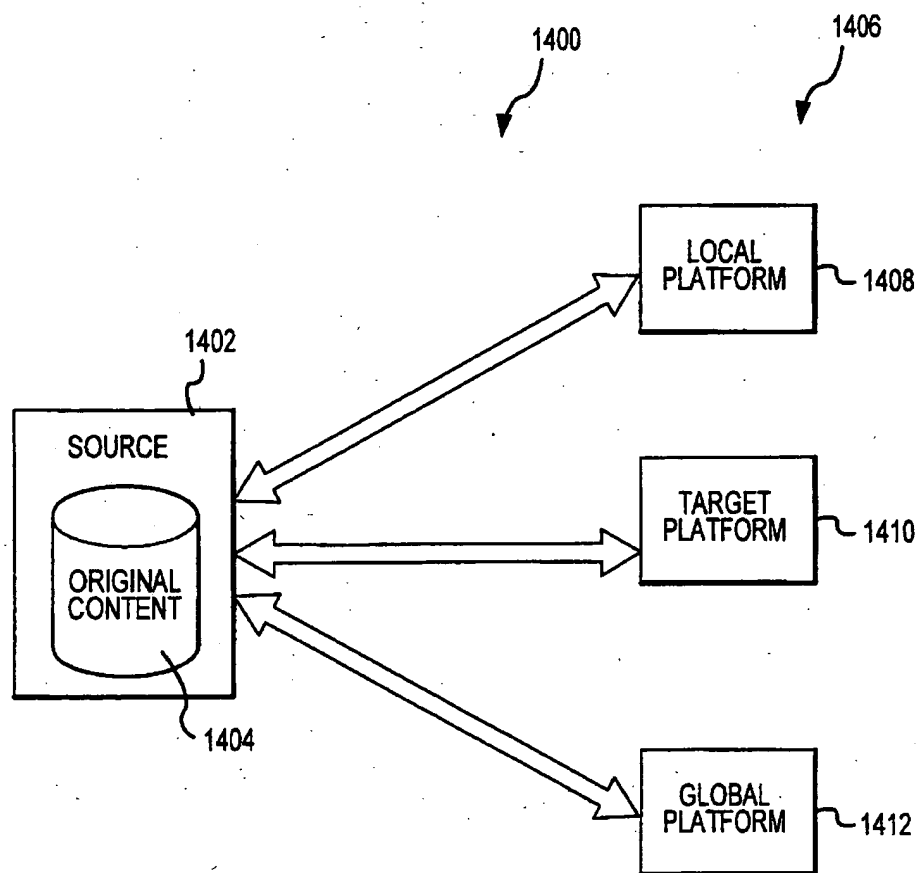


FIG.12





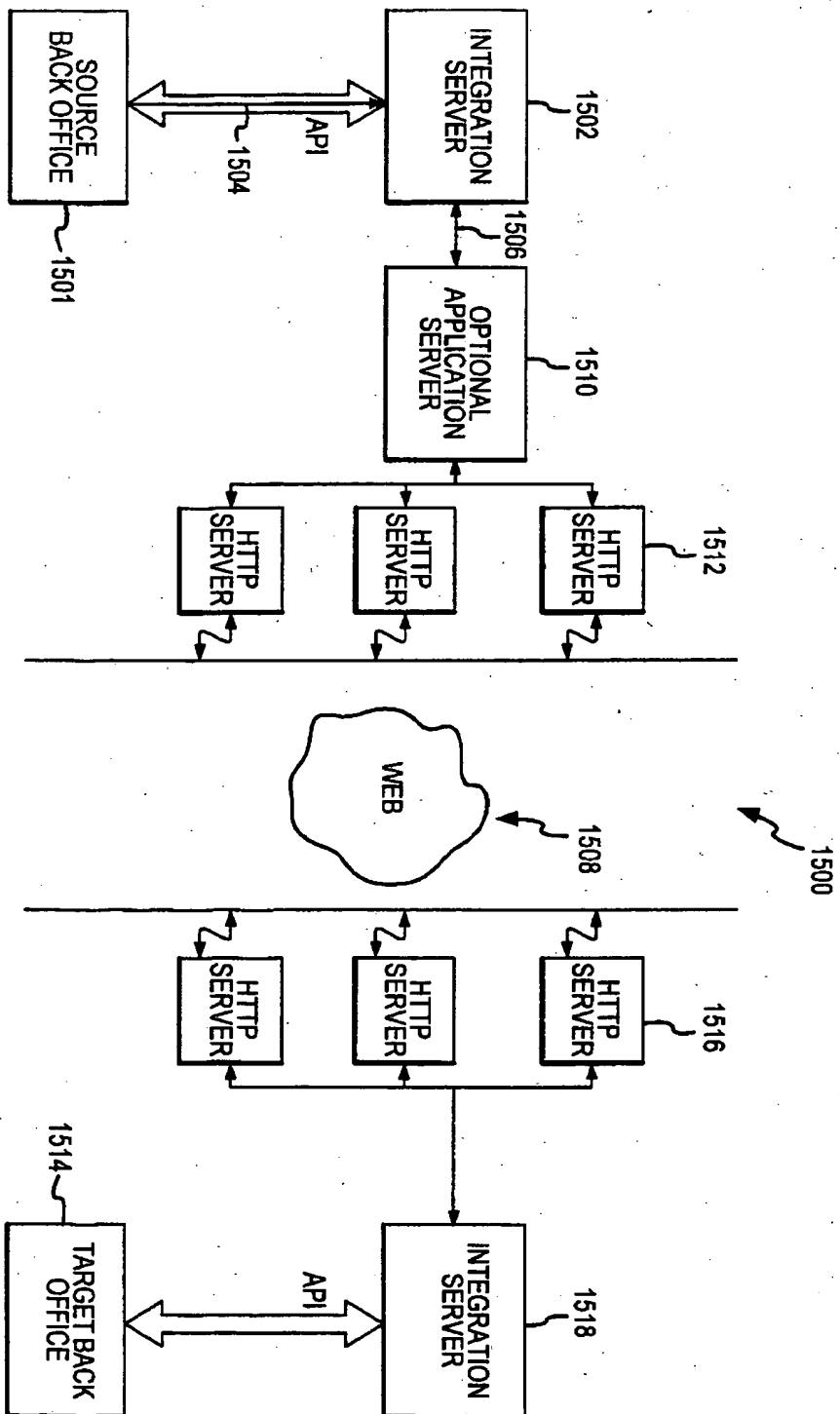
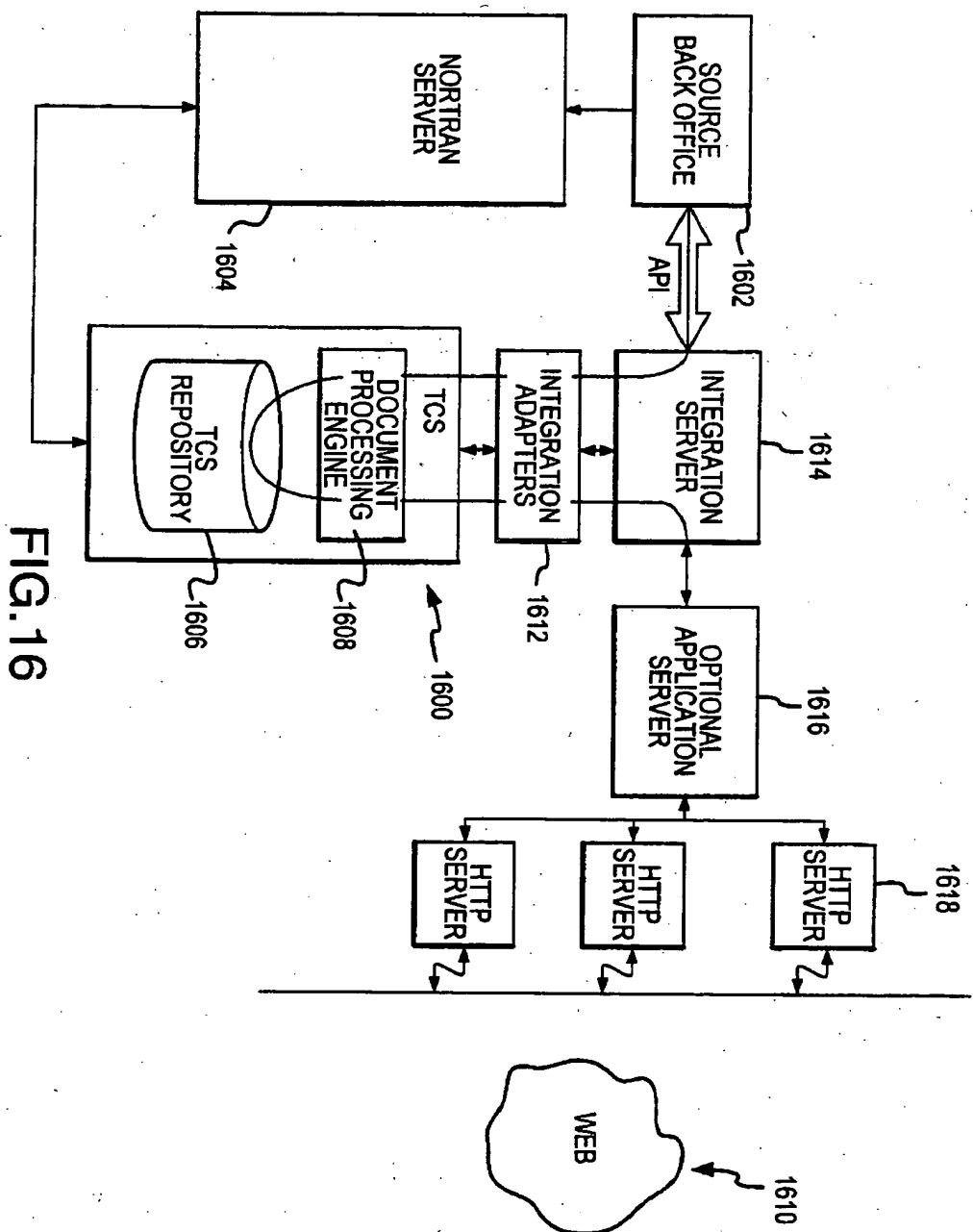


FIG. 15





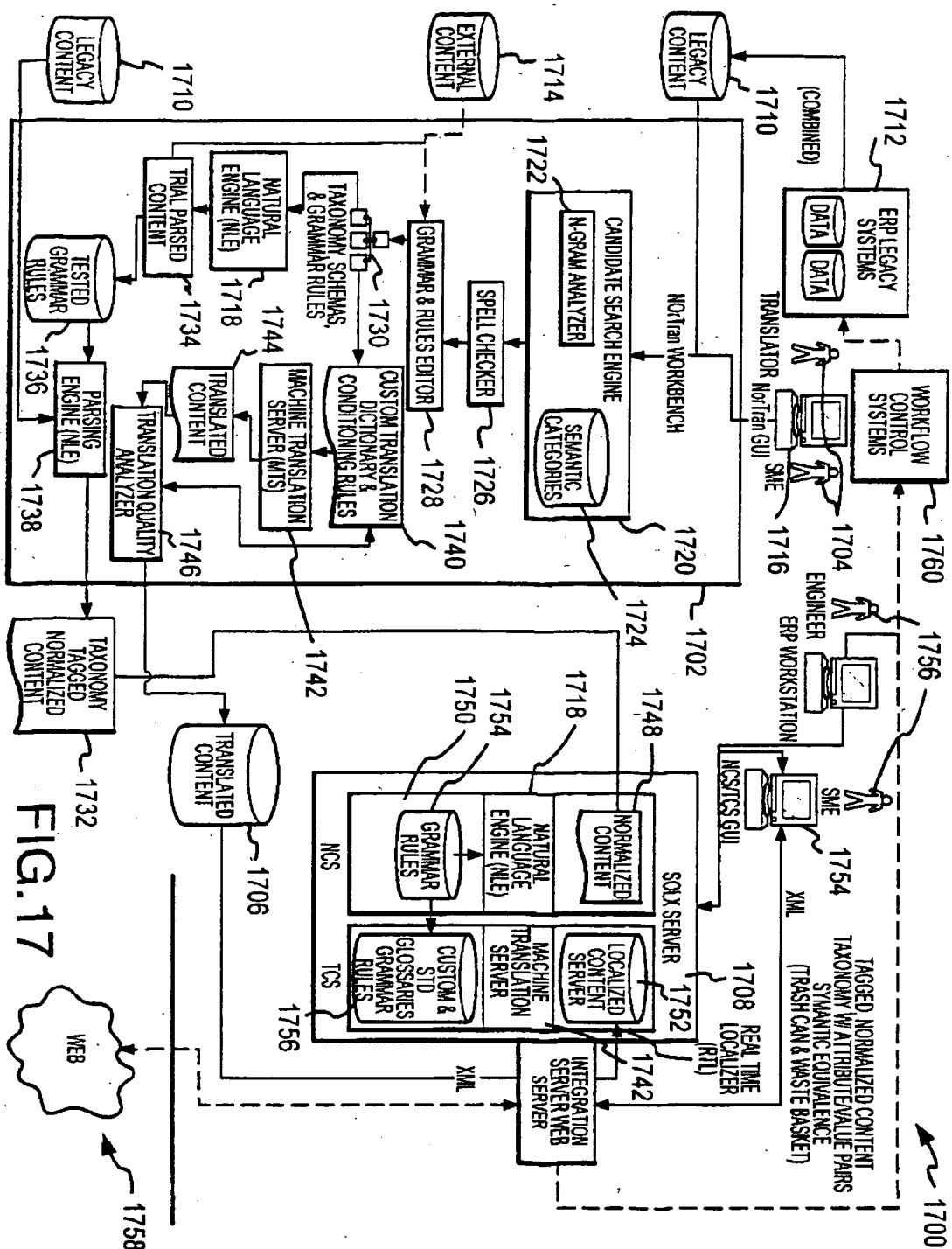


FIG. 17

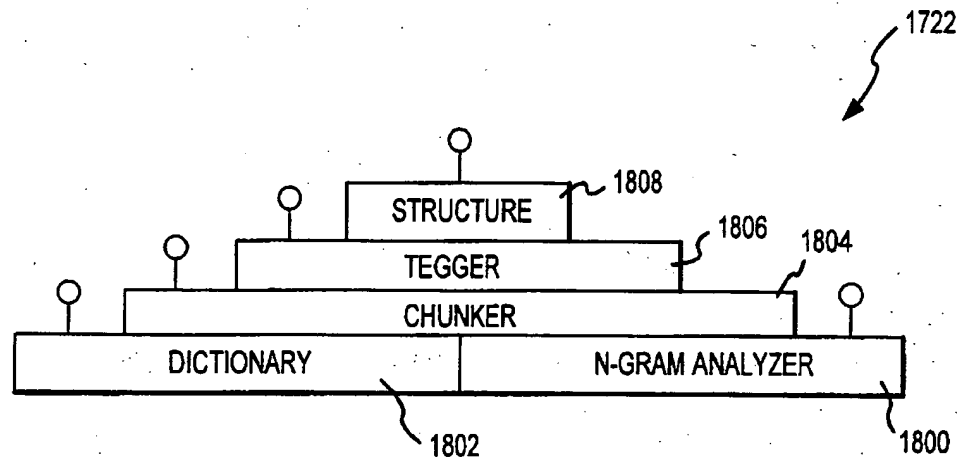


FIG.18

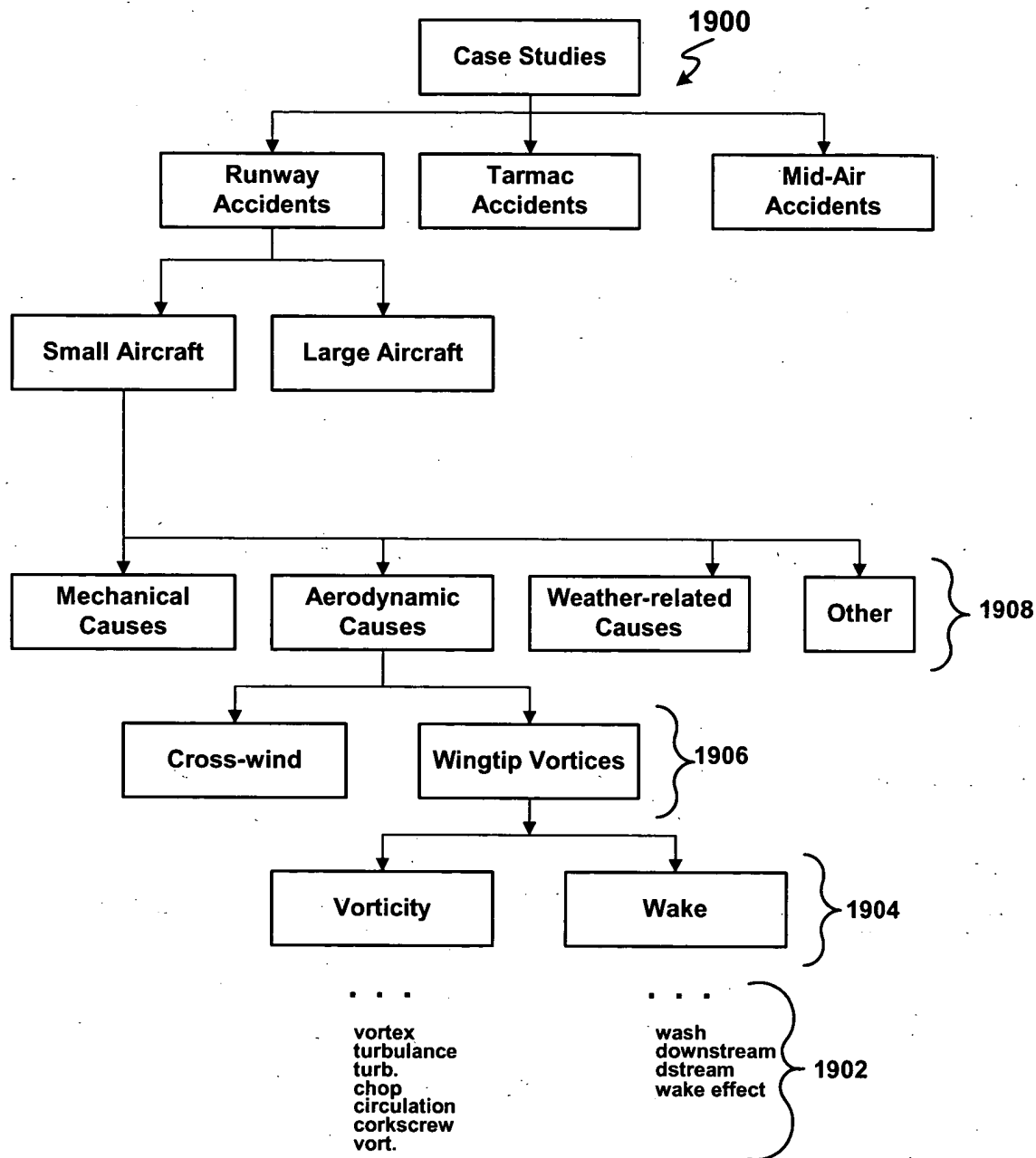


FIG. 19

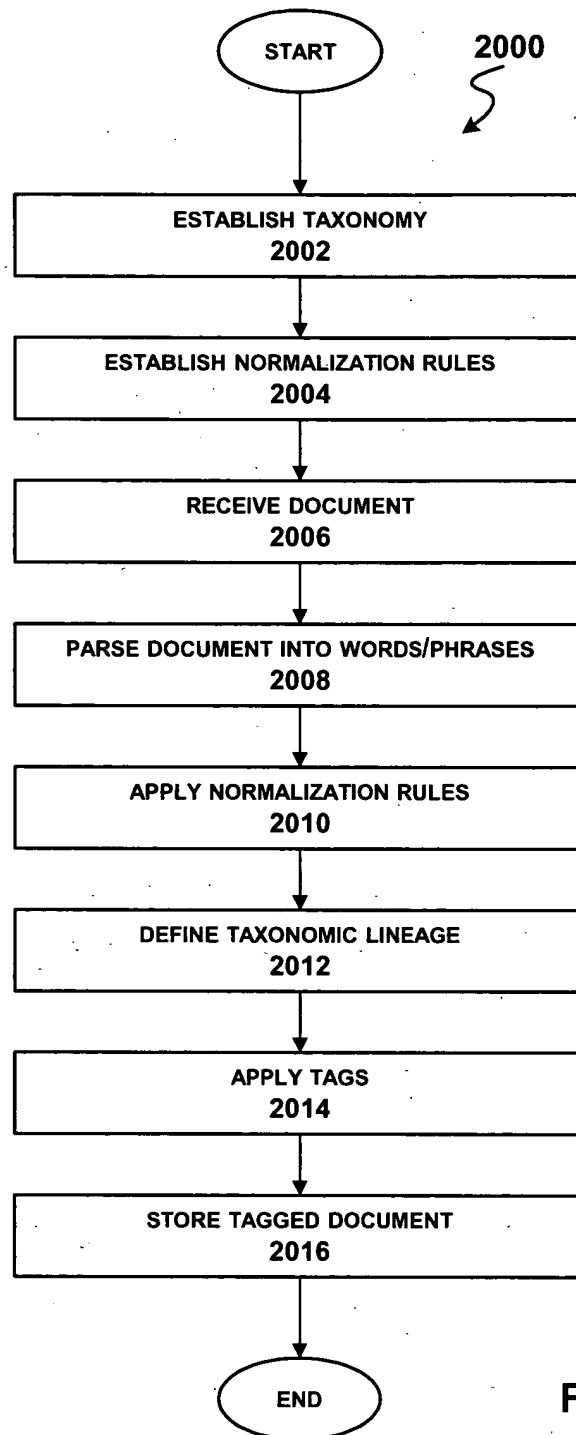


FIG. 20

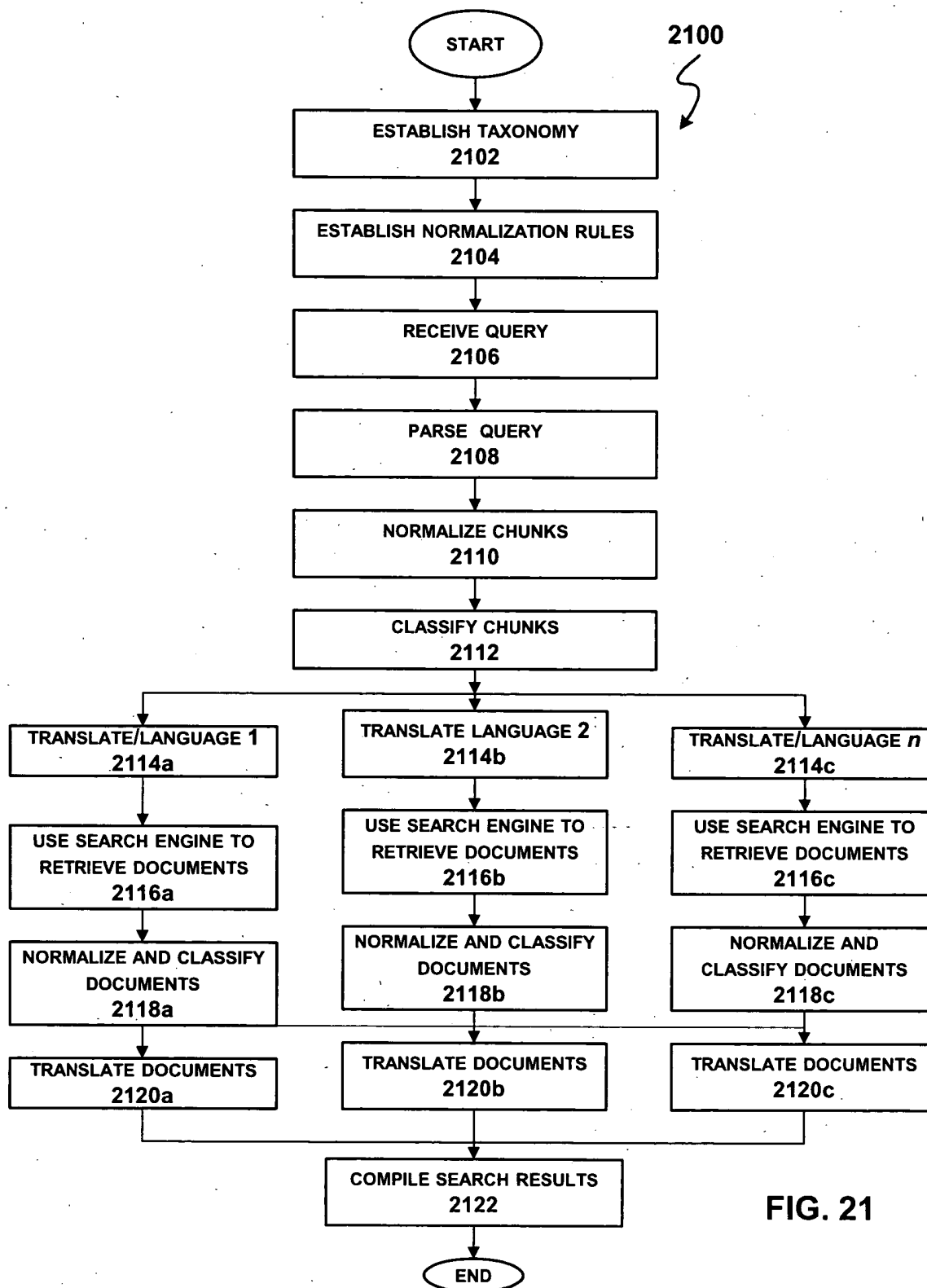


FIG. 21